ABSTRACT OF THE DISCLOSURE

In a flange 61 provided at the suction port of a molecular pump, a hollow portion 72 is provided adjacently to a bolt hole 14. The hollow portion 72 is a through hole penetrating the flange 61. Thereby, a thin-walled portion 71 is formed between the bolt hole 14 and the hollow portion 72. If a shock in the direction of rotation of a rotor portion is provided to the molecular pump, for example, by the destruction of the rotor portion, the flange 61 slides in the direction of rotation of the rotor portion together with the molecular pump. Thereupon, a bolt fixing the flange 61 to a flange of a vacuum system hits the thin-walled portion 71, so that the thin-walled portion 71 is plastically deformed in the direction of arrow B. Thus, by the plastic deformation of the thin-walled portion 71, energy for rotating the molecular pump is consumed as energy for plastically deforming the thin-walled portion 71, so that the shock provided to the molecular pump is cushioned.